			Title		
			Battery Pack Specification (Li202SX-7800)		
	RESPONSIBLE	DATE	SIZE	DOCUMENT NO.	REV
AUTHORS			A4	P100-5006	00
USER					
RELEASE			MANUAL CHANGE PROHIBITED		SHEET 1 OF 3

Li202SX Battery Pack Specification


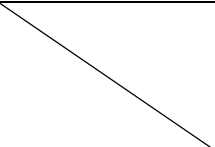
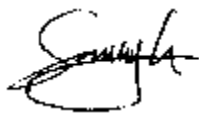
Li202SX-7800, 10.89V, 7800mAh

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TITLE	SIZE	DOCUMENT NO.	REV
Battery Pack Specification (Li202-7800)	A4	P100-5006	00
	MANUAL CHANGE PROHIBITED		SHEET 2 OF 3

1. Descriptions

1.1 Description Rechargeable Lithium ion battery pack

1.2 Battery Cell Configuration 3P-3S

2. Electrical specification (@25°C)

Item	Specification	Remarks
2.1 Capacity	7800mAh	Nominal (by standard charge and discharge)
	7500mAh	Minimum
2.2 Voltage	10.89V	Nominal
2.3 Charging method	CC-CV	Constant-voltage with limited current
2.4 Charging voltage	12.6±0.05V	
2.5 Charging current	3900mA	Standard
2.6 Charging current cut-off	< 390mA	
2.7 Discharging current	156mA	Standard
	3900mA	Maximum
2.8 Discharge cut-off voltage	9.0V	
2.9 Internal resistance	< 300mΩ	
2.10 Operating temperature	0 to 45°C	Standard charge
	-20 to 60°C	Standard discharge
2.11 Storage temperature	-20 ~ 23°C	≤ 1 Year
	-20 ~ 45°C	≤ 3 Months
	-20 ~ 60°C	≤ 1 Month
2.12 Storage humidity	Max. 65 % RH	Not condensed
2.13 Smart Module Communication	SMBus	Type
	V1.0	Revision

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Battery Pack Specification (Li202-7800)	A4	P100-5006	00
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3. Safety specification

Item		Specification
3.1 Over charge	Prohibition	4.35V±0.05 V/Cell
	Release	4.05V±0.05 V/Cell
	Delay time	<1.0 sec
3.2 Over discharge	Prohibition	2.40V±0.08 V/Cell
	Release	2.70V±0.10 V/Cell
	Delay time	<1.0 sec
3.3 Over current	Prohibition	10.0 ~ 16.0A (Depend on cell voltage)
	Release	by charging
3.4 Power dissipation	Operating	< 350 μA

4. Physical specification

Item		Specification
4.1 Dimension	L × W × H	140.0±0.5 × 88.8±0.5 × 19.6±0.3
4.2 Terminal (Output)		Power(+),Clock(C),Data(D),Thermistor(T),Power(-)
4.3 Weight	g	< 480

5. Certification : UL (No. : E225922)

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6. Mechanical Drawings

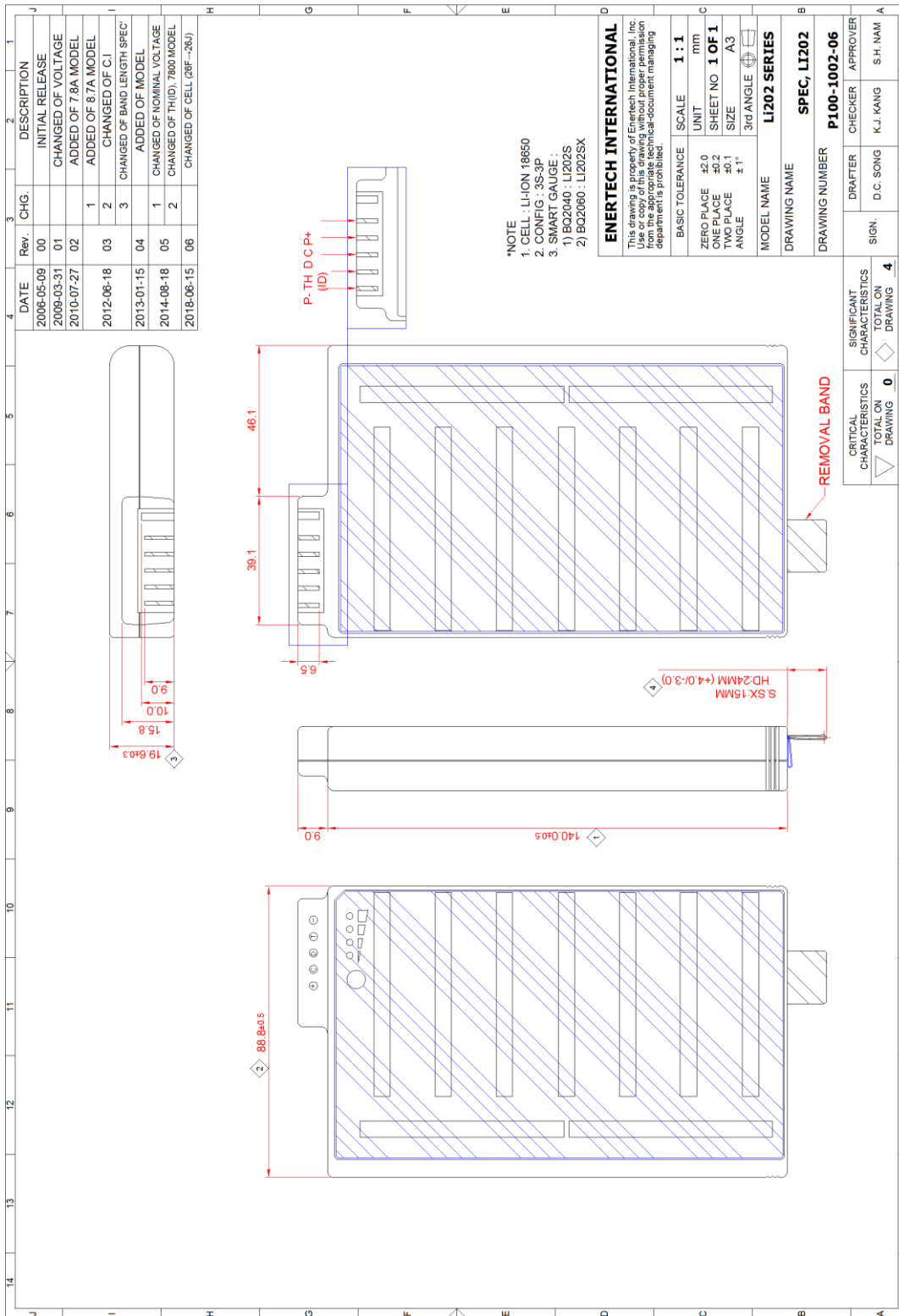


Figure 1 Pack Outline Drawing